

CLAIMS

What we claim is:

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1. A computing system, said computing system comprising:

a first computing device comprising local storage and a detector for detecting signals emitted from a pen input device for generating stroke information therefrom; and

a second computing device coupled to said first computing device, wherein said detected stroke information is selectively transferred or not transferred to said second computing device based on an adaptive transfer policy.

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2. The computing system of claim 1 wherein said transfer policy automatically adapts to an operational state of said second computing device.

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3. The computing system of claim 1 wherein said transfer policy automatically adapts to extend a battery life of said second computing device.

4. The computing system of claim 2, wherein said second computing device resides in a state selected from one of an Off state, an On/Low Power state, and a Normal/High Power state.

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5. The computing system of claim 1, wherein said transfer policy of said stroke information is based on a user-selected setting.

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6. The computing system of claim 5, wherein said user-selected setting is based on at least one of a transfer interval or a rate of stroke information detection.

7. The computing system of claim 1, wherein said transfer of said stroke information is based on one of an amount of stroke information stored in said local storage, a duration of stroke information detection and a rate of stroke information detection.

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8. The computing system of claim 1, wherein said transfer policy is based on a power management configuration of said second computing device.

9. The computing system of claim 1 wherein said transfer policy automatically 10 adapts to a change in a pattern of the detected user input.

10. A method for selectively transferring information from a first computing device to a second computing device of a computing system, said steps comprising:

15 detecting an emitted signal from a pen input device of a first computing device for generating stroke information therefrom;

determining an operational state of said computing system; and

20 transferring or not transferring said stroke information from said first computing device to said second computing device in accordance with a transfer policy that depends on said determined operational state.

11. The method of claim 10 wherein said transfer policy automatically adapts 25 to extend a battery life of said second computing device.

12. The method of claim 10, wherein said operational state is selected from one of an Off state, an On/Low Power state, and a Normal/High Power state,

30 13. The method of claim 10, wherein said operational setting is a user-selected setting.

14. The method of claim 13, wherein said user-selected setting is either a transfer interval or a rate of stroke information detection.

5 15. The method of claim 10, wherein said transfer of said stroke information is based on one of an amount of stroke information stored in a local storage, a duration of stroke information detection and a rate of stroke information detection.

10 16. The method of claim 10, wherein said transfer policy is based on a power management configuration of said second computing device.

17. The method of claim 10, wherein said transfer policy is based on a change in a pattern of the detected user input.

15 18. A storage medium having computer readable program instructions embodied therein for selectively transferring information from a first computing device to a second computing device of a computing system, said storage media comprising:

20 program instructions for detecting a signal emitted from a pen input device of a first computing device for generating stroke information therefrom;

program instructions for determining an operational state of said computing system; and

25 program instructions for transferring or not transferring said stroke information from said first computing device to said second computing device depending on said determined computing system state.

19. The storage medium of claim 18 further including program instructions for 30 automatically adapting said transfer policy to extend a battery life of said second computing device.

20. The storage medium of claim 18 further including program instructions for determining said operational state of said second computing device from one of an Off state, an On/Low Power state, and a Normal/High Power state,

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21. The storage media of claim 18 further including program instructions for basing said transfer policy of said stroke information on a user-selected setting.

22. The storage media of claim 21 further including program instructions for 10 determining whether said user-selected setting is either a transfer interval or a rate of stroke information detection.

23. The storage media of claim 18 including program instructions for basing 15 said transfer of said stroke information on one of an amount of stroke information stored in said local storage, a duration of stroke information detection, and a rate of stroke information detection.

24. The storage media of claim 18 further including program instructions for basing said transfer of said stroke information on a power management configuration of 20 said second computing device.

25. The storage media of claim 18 further including program instructions for basing said transfer of said stroke information on a change in a pattern of the detected user input.

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26. A computing system, said computing system comprising:

a first computing device comprising local storage and a detector for detecting user input to said first computing device; and

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a second computing device coupled to said first computing device, wherein said detected user input is transferred to said second computer based on an adaptive transfer policy.

5 27. The computing system of claim 26 wherein said transfer policy automatically adapts to an operational state of said second computing device.

10 28. The computing system of claim 27 wherein said second computing device resides in a state selected from one of an Off state, an On/Low Power state, and a Normal/High Power state.

29. The computing system of claim 26 wherein said transfer policy automatically adapts to a change in a pattern of the detected user input.

15 30. The computing system of claim 26 wherein said detector detects audible signals.

31. The computing system of claim 26 wherein said detector detects signals emitted from a pen input device for generating stroke information.

20 32. The computing system of claim 26 wherein said detector detects keyboard or keypad entries.